

## CLAIMS

1. A method of treatment for promoting healing or prevention of blisters, sores or skin degeneration associated with Epidermolysis Bullosa, comprising administering to a subject in need of such treatment an effective amount of a composition comprising an Epidermolysis Bullosa-inhibiting polypeptide comprising amino acid sequence LKKTET, or a conservative variant thereof having Epidermolysis Bullosa-inhibiting activity.

2. The method of claim 1 wherein said polypeptide promotes a skin condition improvement including an increase in skin elasticity of said subject.

3. The method of claim 1 wherein said polypeptide comprises Thymosin  $\beta$ 4 (T $\beta$ 4), an isoform of T $\beta$ 4 or oxidized T $\beta$ 4.

4. The method of claim 1 wherein said composition is administered systemically.

5. The method of claim 1 wherein said composition is administered topically.

6. The method of claim 5 wherein said composition is in the form of a gel, creme, paste, lotion, spray, suspension, dispersion, salve, hydrogel or ointment formulation.

7. The method of claim 1 wherein said polypeptide is recombinant or synthetic.

8. The method of claim 1 wherein said polypeptide is an antibody.

9. The method of claim 8 wherein said antibody is polyclonal or monoclonal.

10. A method of treatment for promoting healing or prevention of blisters, sores or skin degeneration associated with Epidermolysis Bullosa comprising administering to a subject in need of such treatment an effective amount of a composition comprising an agent that stimulates production of an Epidermolysis Bullosa-inhibiting polypeptide comprising amino acid sequence LKKTET, or a conservative variant thereof having Epidermolysis Bullosa-inhibiting activity.

11. The method of claim 10 wherein said polypeptide is Thymosin  $\beta$ 4.

12. The method of claim 10 wherein said agent is an antagonist of Thymosin  $\beta$ 4.

13. A composition for use in promoting healing or prevention of blisters, sores or skin degeneration associated with Epidermolysis Bullosa comprising an effective amount of a composition including an Epidermolysis Bullosa-inhibiting polypeptide comprising amino acid sequence LKKTET or a conservative variant thereof having Epidermolysis Bullosa-inhibiting activity.

14. The composition of claim 13 wherein said polypeptide comprises T $\beta$ 4, an isoform of T $\beta$ 4 or oxidized T $\beta$ 4.

15. The composition of claim 13, comprising a gel, creme, paste, lotion, spray, suspension, dispersion salve, hydrogel or ointment formulation.